EPCS SETUP

1. UNSTOW PCS

TBD
PCS - Two Thinkpads
Two 10-foot 20V DC PWR cables
Two PCS Kits (One 1553 Card and 22-inch Adapter cable in each Kit)
If shuttle AFD
- One 6-foot 28V DC PWR SPLY cable
- One 10-foot 28V DC PWR SPLY cable
- Two 8-foot Orb 1553 Data cables
- Two 28V DC PWR SPLYs

If ISS RS
- One 8-foot RS1553 Data/Power cable
- One 28V DC PWR SPLY

2. VERIFY POWER OFF

If shuttle AFD

Pwr Sply
- √PCS1 28V DC PWR SPLY switch - Off
- √PCS2 28V DC PWR SPLY switch - Off

See UTILITY OUTLET PLUG-IN PLAN ORBIT CONFIGURATION (REF DATA FS, UTIL PWR) for DC UTIL PWR outlet availability.

A15
- √MNC DC UTIL PWR (J2) - Off

L12/A3
- √PDIP DC POWER 1 and 2 (two) - Off

If ISS RS

ĐÁÑ - 10 / 3
- √RS Power switch - Off

Pwr Sply
- √PCS 28V DC PWR SPLY switch - Off

3. MAKE PCS POWER AND DATA CABLE CONNECTIONS

√1553 PC Card, Adapter Cable inserted in PC slot in both PCSs

If shuttle AFD
- Connect both 10-foot 20V DC PWR SPLY cables to PCS1,2 and to 28V DC PWR SPLY outlets (J2).

A15
- Connect PCS1 10-foot Orb DC PWR SPLY cable to MNC DC UTIL PWR outlet (J2) and to 28V DC PWR SPLY outlet (J1).

L12/A3
- Connect PCS2 6-foot Orb DC PWR SPLY cable to PDIP DC POWER 2 outlet and to 28V DC PWR SPLY outlet (J1).
- Connect PCS1 Orb 1553 Data cable to N1-1 (J103) outlet and to 1553 PC Card Adapter cable.
- Connect PCS2 Orb 1553 Data cable to N1-2 (J107) outlet and to 1553 PC Card Adapter cable.

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If ISS RS

RS BUS 8(7) Connect RS 1553 Data/Power cable to PCR outlet and PWR to 28V DC PWR SPLY outlet (J1) and 1553 Data to PC Card Adapter cable.

Pwr Sply Connect the 10-foot 20V DC PWR SPLY cable to the PCS and to the 28V DC PWR SPLY outlet (J2).

ĐÁÑ - 10 / 3 Connect RS Power cable to the IOA outlet.

4. TURN ON PCS

If shuttle AFD

A15 MNC DC UTIL PWR (J2) → On

Pwr Sply PCS1 28V DC PWR SPLY switch → On (Lt On)

L12/A3 PDIP DC POWER 2 switch → On

Pwr Sply PCS2 28V DC PWR SPLY switch → On (Lt On)

PCS PCS 1,2 Thinkpad PWR switches → On

If ISS RS

ĐÁÑ - 10 / 3 RS Power switch → On

Pwr Sply 28V DC PWR SPLY switch → On (Lt On)

PCS PCS Thinkpad PWR switch → On

NOTE
Let the PCS cycle through the initialization screens without any keystroke inputs. System boot takes approximately 3 to 4 minutes. Defaults are preset to select Solaris operating system and boot PCS Command and Display System Files.

5. CONNECT PCS TO MDM DATA (IF MDMs ARE UP AND RUNNING)

PCS2 After bootup when taskbar appears at bottom of display

sel Arrow directly above 'PCS' logo (as required)

sel Start/Restart PCS CDS (as required)

sel Icon to open PCSCDS Main Control Panel Window (as required)

√Status Box is green and 'Connected' is displayed in the PCSCDS Main Control Panel Window (as required)

Iconify PCSCDS Main Control Panel Window.

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* If Status Box is not green, select 'Connect to MDM' button *
* if the MDMs are on. *
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NOTE

1. PCS connection to MDM is indicated by green in the Status Box and/or 'Connected' message displayed in the PCSCDS Main Control Panel Window only when the Prime Node MDM is up and running.

2. If MDMs are not up and running and step 5 is executed, expect a PCS 'CW Server Error Msg' and a 'CDS Signon Fail'.

3. After connected to the MDMs if the PCS receives a Disconnect message open the PCSCDS Main Control Panel Window and select 'Connect to MDM' button to Reconnect. If no joy close all displays and anything iconified and redo step 5. If still no joy, perform LOSS OF PCS TELEMETRY, all (ISS OPS: C&DH), then:

6. CONFIGURE PCS FOR NODE 1 DISPLAYS (AS REQUIRED)
   sel Arrow above 'PCS' logo
   sel Start PCS CDDF display

   After appox 1 minute, √'Increment 2A Home Page' is displayed.

   Displays may now be selected as desired.

   Inform **MCC-H** when complete.

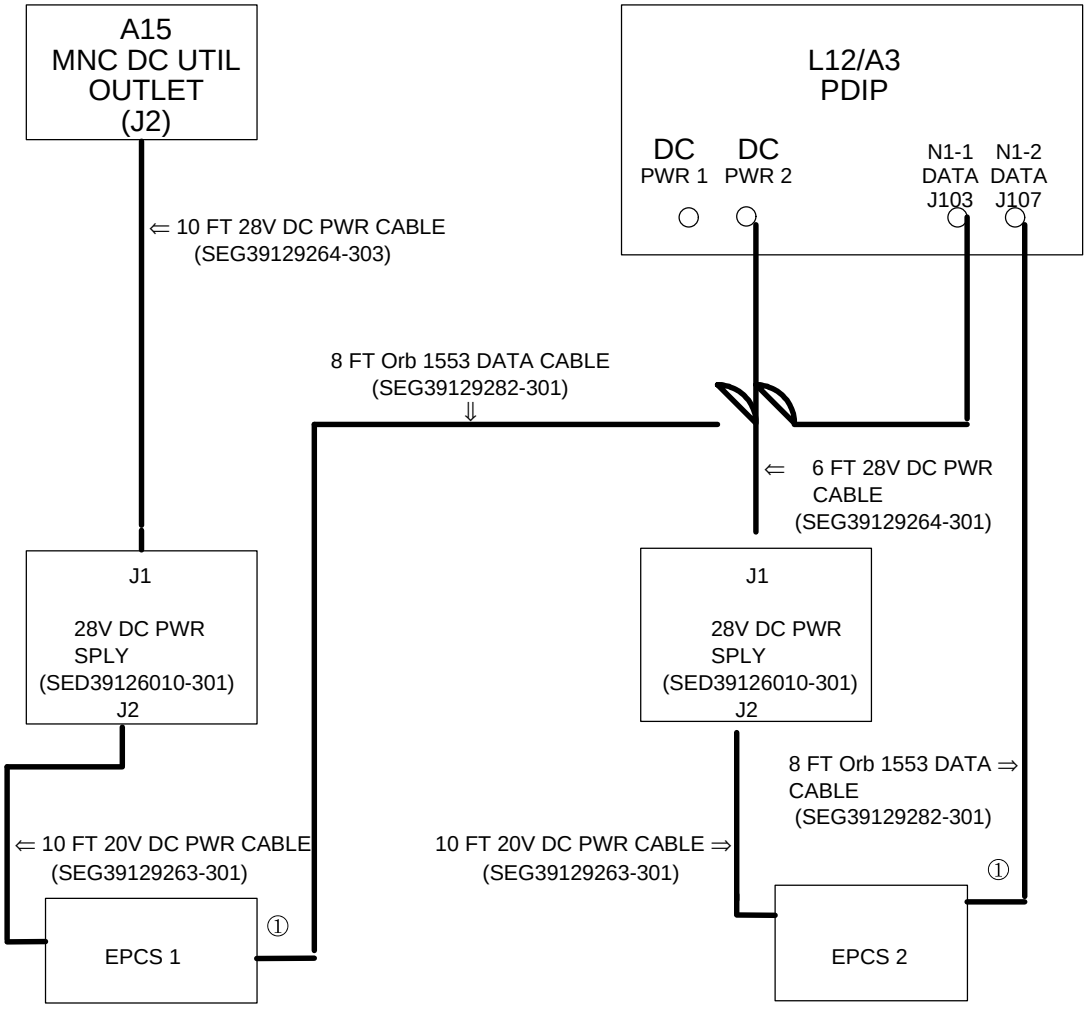

Figure 1.- AFD EPCS Config.

Notes

1. The 1553 Data Cable I/Fs with a 22-inch pigtail connector (Ch A & B) which connects to the 1553 Card which inserts into the PC Card slot in the EPCS.

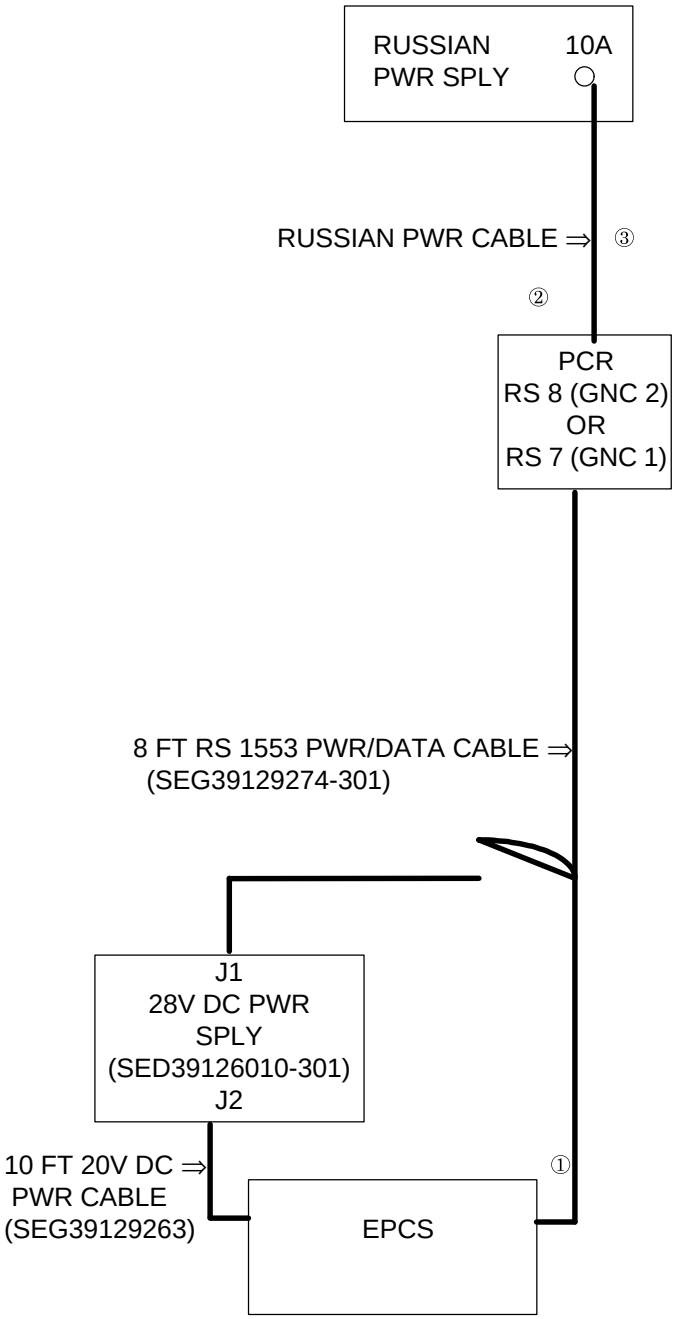

Figure 2.- FGB EPCS Config.

Notes

1. The 1553 Data Cable I/Fs with a 22-inch pigtail connector (Ch A & B) which connects to the 1553 Card which inserts into the PC Card slot in the EPCS.
2. If N1-2 is Primary connect to PCR RS 8 (GNC-2) for data. If N1-1 is Primary connect to PCR RS 7 (GNC-1) for data.
3. The Russian PWR cable is fixed in place and only needs to be connected to the Russian 10A PWR outlet.